

SENCITY® Spot-L RFID 1308.17.0069

Description

SENCITY Spot-L UHF RFID tag reader antenna
RHCP right-hand circular polarized
Frequency range: 865 - 870 MHz for ETSI applications
Ruggedized conveyor belt portal antenna
Ingress protection IP54 (IEC 60529)



Product Configuration

Technical Data

Electrical Data

	Band 1
Frequency (MHz)	865 - 870
VSWR	1.5
Impedance (Ohm)	50
Gain (dBi)	12
3dB beamwidth (h) (°)	62
3dB beamwidth (v) (°)	30
Composite power max (W)	6
Ambient temperature (°C)	25
Front to back ratio (dB)	20
Axial ratio (dB)	3
Vertical electrical tilt (°)	0

Ports

	Port 1
Connector	N, jack (female)
Polarization	circular right
DC grounded	Yes

General Data

Sidelobes level -12 dB (max) -15 dB (typ)

Mechanical Data

Dimensions (mm) 650 x 320 x 32 (Height x Width x Depth)
Weight (kg) 2.8

Environmental Data

Environmental conditions indoor
Operation temperature (°C) -55 to 71
Storage temperature (°C) -55 to 71
Transport temperature (°C) -55 to 71
IP rating IP54
Flammability rating UL 94-HB
2011/65/EU (RoHS - including 2015/863 and 2017/2102) compliant
WEEE 2012/19/EU special marking needed
REACH 1907/2006/EC compliant

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Humidity ETSI EN300-2-4 T4.1E / 144h / 95%
Solar radiation ASTM G53 / 1000 h
Salt spray IEC 68-2-11 Ka / 500 h
Thermal shock nono-operating -30°C to 70°C, ramp 30 °C/min
Mechanical shock operating 10 g, 11 msec, half sine pulse
Vehicle vibration operating 1 g rms, 10 - 500 Hz, in 3 axis (6 hours total)
Quasi random vibration 20 g rms for 4 hours
Radom material UV resistant per ETSI 300

Material Data

Radome colour	RAL 9002 (grey-white)
Radome material	Plastic
Back plate/base plate material	Aluminium

Related Products

9091.99.0184 Mounting bracket

Related Documents

Mounting instruction	DOC-0000225622
Painting instruction	DOC-0000256180
Security instruction	DOC-0000278984
Outline drawing	DPR-00112990
3D-model	DOC-0000453029